

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058153.D
 Acq On : 15 Jun 2018 15:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/18/2018 2:07:31 PM

Quant Time: Jun 15 23:27:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	902946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1153468	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	889623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	468749	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	397452	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	
35) Dibromofluoromethane	5.55	113	429606	48.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	8.71	98	984115	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
62) 4-Bromofluorobenzene	11.93	95	418434	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	520703	42.967	ug/l	99
3) Chloromethane	1.48	50	262715	44.017	ug/l	95
4) Vinyl Chloride	1.55	62	283509	49.073	ug/l	97
5) Bromomethane	1.80	94	101792	44.955	ug/l	96
6) Chloroethane	1.89	64	114955	50.433	ug/l	94
7) Trichlorofluoromethane	2.08	101	378109	47.878	ug/l	98
8) Diethyl Ether	2.35	74	82582	56.290	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.56	101	236434	50.192	ug/l	98
10) Methyl Iodide	2.69	142	278596	45.836	ug/l	98
11) Tert butyl alcohol	3.26	59	71371m	295.133	ug/l	
12) 1,1-Dichloroethene	2.55	96	175862	48.562	ug/l	87
13) Acrolein	2.47	56	73780	213.034	ug/l	99
14) Allyl chloride	2.92	41	412137	49.335	ug/l	97
15) Acrylonitrile	3.36	53	282167	199.450	ug/l	99
16) Acetone	2.61	43	377323	290.119	ug/l	99
17) Carbon Disulfide	2.75	76	640850	48.849	ug/l	99
18) Methyl Acetate	2.94	43	123047	48.907	ug/l	96
19) Methyl tert-butyl Ether	3.40	73	807398	50.669	ug/l	99
20) Methylene Chloride	3.07	84	199053	56.094	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	369348	45.790	ug/l	97
22) Diisopropyl ether	4.07	45	1506549	45.521	ug/l	96
23) Vinyl Acetate	4.02	43	4236982	247.779	ug/l	99
24) 1,1-Dichloroethane	3.97	63	850751	46.773	ug/l	98
25) 2-Butanone	4.84	43	732117	247.694	ug/l	95
26) 2,2-Dichloropropane	4.80	77	742090	49.527	ug/l	92
27) cis-1,2-Dichloroethene	4.80	96	469082	49.034	ug/l	99
28) Bromochloromethane	5.14	49	397250	50.461	ug/l	97
29) Tetrahydrofuran	5.18	42	370799	239.316	ug/l	97
30) Chloroform	5.32	83	887295	48.471	ug/l	97
31) Cyclohexane	5.60	56	685901	43.697	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	764754	49.895	ug/l	99
36) 1,1-Dichloropropene	5.75	75	637406	50.157	ug/l	98
37) Ethyl Acetate	4.93	43	365985	52.780	ug/l	96
38) Carbon Tetrachloride	5.73	117	635954	50.777	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	621798	49.358	ug/l	97
40) Benzene	6.02	78	1452977	48.943	ug/l	97
41) Methacrylonitrile	5.12	41	175559	55.371	ug/l #	96
42) 1,2-Dichloroethane	6.13	62	616188	51.336	ug/l	99
43) Isopropyl Acetate	7.62	43	455706	50.173	ug/l #	99
44) Trichloroethene	6.98	130	461331	53.201	ug/l	98
45) 1,2-Dichloropropane	7.35	63	401068	48.608	ug/l	100
46) Dibromomethane	7.46	93	277639	52.381	ug/l	90
47) Bromodichloromethane	7.74	83	650211	52.392	ug/l	98
48) Methyl methacrylate	7.51	41	278059	49.739	ug/l	99
49) 1,4-Dioxane	7.50	88	48239	1041.621	ug/l	92
51) 4-Methyl-2-Pentanone	8.60	43	1467316	251.868	ug/l	99
52) Toluene	8.81	92	826390	48.503	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	559186	52.298	ug/l	94
54) cis-1,3-Dichloropropene	8.36	75	628697	49.910	ug/l	98
55) 1,1,2-Trichloroethane	9.46	97	279481	50.685	ug/l	98
56) Ethyl methacrylate	9.32	69	345557	51.088	ug/l	99
57) 1,3-Dichloropropane	9.66	76	502443	51.953	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.19	63	859769	251.591	ug/l	98
59) 2-Hexanone	9.79	43	1125143	263.542	ug/l	97
60) Dibromochloromethane	9.96	129	422271	54.306	ug/l	99
61) 1,2-Dibromoethane	10.10	107	317641	50.091	ug/l	91
64) Tetrachloroethene	9.52	164	418734	52.650	ug/l	98
65) Chlorobenzene	10.73	112	909881	50.522	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	361111	52.188	ug/l	98
67) Ethyl Benzene	10.86	91	1561774	48.000	ug/l	99
68) m/p-Xylenes	11.01	106	1081025	101.916	ug/l	97
69) o-Xylene	11.41	106	543969	51.666	ug/l	98
70) Styrene	11.44	104	908302	52.113	ug/l	99
71) Bromoform	11.60	173	303315	58.271	ug/l	96
73) Isopropylbenzene	11.77	105	1558556	50.199	ug/l	100
74) N-amyl acetate	11.64	43	595028	49.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	349439	51.622	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	365410	51.895	ug/l	97
77) Bromobenzene	12.05	156	467822	50.904	ug/l	80
78) n-propylbenzene	12.15	91	1970281	48.768	ug/l	97
79) 2-Chlorotoluene	12.21	91	1176850	51.060	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	1208076	49.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	96375	55.260	ug/l	95
82) 4-Chlorotoluene	12.33	91	1257860	56.533	ug/l	91
83) tert-Butylbenzene	12.58	119	1363350	49.866	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	1262593	48.498	ug/l	98
85) sec-Butylbenzene	12.75	105	1575910	47.761	ug/l	100
86) p-Isopropyltoluene	12.88	119	1329449	49.991	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	780500	50.206	ug/l	100
88) 1,4-Dichlorobenzene	12.93	146	748516	49.417	ug/l	100
89) n-Butylbenzene	13.20	91	1302292	54.782	ug/l	99
90) Hexachloroethane	13.40	117	356650	52.544	ug/l	96
91) 1,2-Dichlorobenzene	13.20	146	616371	49.061	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	57251	54.800	ug/l #	38

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	652837	55.620	ug/l	98
94) Hexachlorobutadiene	14.44	225	505936	54.801	ug/l	97
95) Naphthalene	14.52	128	786923	51.999	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	545975	54.582	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

